

9701057

AA-2188

**INDIVIDUAL PROPERTY/DISTRICT
MARYLAND HISTORICAL TRUST
INTERNAL NR-ELIGIBILITY REVIEW FORM**

Property/District Name: Building NA49, Naval Radio Transmitter Facility Survey Number: AA-

Project: Demolition Agency: NAVY

Site visit by MHT Staff: X no yes Name Date

Eligibility recommended X Eligibility not recommended ~~5~~

Criteria: XA B XC D Considerations: A B C D E F G None

Justification for decision: (Use continuation sheet if necessary and attach map)

Building NA49, located at the Naval Radio Transmitter Facility in the North Severn area of the US Naval Academy in Anne Arundel County, is not located within the boundaries of a National Register-eligible historic district, but is considered eligible for individual listing on the National Register of Historic Places.

Built in 1938, Building NA49 was constructed as a Very Low Frequency Transmitter Helix House at the Naval Radio Transmitter Facility, established in 1918. The building is constructed of brick and measures 67 feet by 80 feet at the base and rises 56 feet tall. It is set upon a concrete base and has no openings save for a deeply recessed entry with a copper lintel and from which the original (copper) doors have been removed. A limestone beltcourse continues around the building at the same level of the copper lintel. The original drawings show that pair of 13-foot high copper doors occupied the entry on the north side of the structure. A bronze ladder formerly rose from the base of the structure to the roof along the south elevation.

The interior of the building is a cavernous open space which extends the full height of the building to a copper ceiling. All of the machinery has been removed from the interior, though the concrete pads and foundations for the equipment remain. Copper, bronze, and other non-ferrous materials were used in the structure in order to minimize magnetic interference with radio transmissions.

The building was built as a helix house in the years before American entry into World War II and served, along with its associated transmitters, during the War as a major communications link between Washington, D.C. and Naval posts and ships around the world. As such, the building has direct associations with significant events in our history and qualifies for listing on the Register under Criterion A. Despite the fact that the radio transmitter equipment is lacking, the building also provides an example of a helix house--a rare surviving building type--and is thus eligible for listing under Criterion C.

Documentation on the property/district is presented in: Review and Compliance Files

Prepared by: Greenhorn and O'Mara, DOE Report "Historic Resources and Determinations of Effects Report, Demolition of Various Buildings, United States Naval Academy, Annapolis, MD," March 1997.

Kimberly Prothro Williams
Reviewer, Office of Preservation Services

May 14, 1997
Date

NR program concurrence: X yes no not applicable

Peter Kuntz
Reviewer, NR program

5/22/97
Date

gms

MARYLAND COMPREHENSIVE HISTORIC PRESERVATION PLAN DATA - HISTORIC CONTEXT

I. Geographic Region:

<input type="checkbox"/>	Eastern Shore	(all Eastern Shore counties, and Cecil)
<input checked="" type="checkbox"/>	Western Shore	(Anne Arundel, Calvert, Charles, Prince George's and St. Mary's)
<input type="checkbox"/>	Piedmont	(Baltimore City, Baltimore, Carroll, Frederick, Harford, Howard, Montgomery)
<input type="checkbox"/>	Western Maryland	(Allegany, Garrett and Washington)

II. Chronological/Developmental Periods:

<input type="checkbox"/>	Paleo-Indian	10000-7500 B.C.
<input type="checkbox"/>	Early Archaic	7500-6000 B.C.
<input type="checkbox"/>	Middle Archaic	6000-4000 B.C.
<input type="checkbox"/>	Late Archaic	4000-2000 B.C.
<input type="checkbox"/>	Early Woodland	2000-500 B.C.
<input type="checkbox"/>	Middle Woodland	500 B.C. - A.D. 900
<input type="checkbox"/>	Late Woodland/Archaic	A.D. 900-1600
<input type="checkbox"/>	Contact and Settlement	A.D. 1570-1750
<input type="checkbox"/>	Rural Agrarian Intensification	A.D. 1680-1815
<input type="checkbox"/>	Agricultural-Industrial Transition	A.D. 1815-1870
<input type="checkbox"/>	Industrial/Urban Dominance	A.D. 1870-1930
<input checked="" type="checkbox"/>	Modern Period	A.D. 1930-Present
<input type="checkbox"/>	Unknown Period (<input type="checkbox"/> prehistoric <input type="checkbox"/> historic)	

III. Prehistoric Period Themes:

<input type="checkbox"/>	Subsistence
<input type="checkbox"/>	Settlement
<input type="checkbox"/>	Political
<input type="checkbox"/>	Demographic
<input type="checkbox"/>	Religion
<input type="checkbox"/>	Technology
<input type="checkbox"/>	Environmental Adaptation

IV. Historic Period Themes:

<input type="checkbox"/>	Agriculture
<input checked="" type="checkbox"/>	Architecture, Landscape Architecture, and Community Planning
<input type="checkbox"/>	Economic (Commercial and Industrial)
<input type="checkbox"/>	Government/Law
<input checked="" type="checkbox"/>	Military
<input type="checkbox"/>	Religion
<input type="checkbox"/>	Social/Educational/Cultural
<input type="checkbox"/>	Transportation

V. Resource Type:

Category: StructureHistoric Environment: Military baseHistoric Function(s) and Use(s): Military/Radio Transmitter Facility

Known Design Source: _____

Maryland Historical Trust State Historic Sites Inventory Form

MARYLAND INVENTORY OF HISTORIC PROPERTIES

Survey No. AA-2188

Magi No.

DOE yes no

1. Name (indicate preferred name)

historic Antenna Materials Storage Building

and/or common Building NA49

2. Location

street & number Helix Road

 not for publication

city, town Annapolis

 X vicinity of

congressional district

state Maryland

county Anne Arundel

3. Classification

Category	Ownership	Status	Present Use
<u> </u> district	<u> </u> X public	<u> </u> X occupied	<u> </u> agriculture
<u> </u> X building(s)	<u> </u> private	<u> </u> unoccupied	<u> </u> commercial
<u> </u> structure	<u> </u> both	<u> </u> work in progress	<u> </u> educational
<u> </u> site	Public Acquisition	Accessible	<u> </u> entertainment
<u> </u> object	<u> </u> in process	<u> </u> X yes: restricted	<u> </u> government
	<u> </u> being considered	<u> </u> yes: unrestricted	<u> </u> industrial
	<u> </u> not applicable	<u> </u> no	<u> </u> X military
			<u> </u> museum
			<u> </u> park
			<u> </u> private residence
			<u> </u> religious
			<u> </u> scientific
			<u> </u> transportation
			<u> </u> other:

4. Owner of Property (give names and mailing addresses of all owners)

name USNA North Severn

street & number

telephone no.:

city, town Annapolis

state and zip code MD 21402-5013

5. Location of Legal Description

courthouse, registry of deeds, etc. Building 265

liber

street & number USNA North Severn

folio

city, town Annapolis

state MD

6. Representation in Existing Historical Surveys

title NRTF Annapolis Cultural Resources Survey

date 1996

 X federal state county local

pository for survey records

R. Christopher Goodwin & Assoc., Inc.

city, town Frederick

state MD

7. Description

Survey No. AA-2188

Condition

☐ excellent
☒ good
☐ fair

☐ deteriorated
☐ ruins
☐ unexposed

Check one

☐ unaltered
☒ altered

Check one

☒ original site
☐ moved date of move _____

Prepare both a summary paragraph and a general description of the resource and its various elements as it exists today.

See Continuation Sheet

8. Significance

Survey No AA-2188

Period	Areas of Significance—Check and justify below			
<input type="checkbox"/> prehistoric	<input type="checkbox"/> archeology-prehistoric	<input type="checkbox"/> community planning	<input type="checkbox"/> landscape architecture	<input type="checkbox"/> religion
<input type="checkbox"/> 1400–1499	<input type="checkbox"/> archeology-historic	<input type="checkbox"/> conservation	<input type="checkbox"/> law	<input type="checkbox"/> science
<input type="checkbox"/> 1500–1599	<input type="checkbox"/> agriculture	<input type="checkbox"/> economics	<input type="checkbox"/> literature	<input type="checkbox"/> sculpture
<input type="checkbox"/> 1600–1699	<input type="checkbox"/> architecture	<input type="checkbox"/> education	<input type="checkbox"/> military	<input type="checkbox"/> social/
<input type="checkbox"/> 1700–1799	<input type="checkbox"/> art	<input type="checkbox"/> engineering	<input type="checkbox"/> music	<input type="checkbox"/> humanitarian
<input type="checkbox"/> 1800–1899	<input type="checkbox"/> commerce	<input type="checkbox"/> exploration/settlement	<input type="checkbox"/> philosophy	<input type="checkbox"/> theater
<input type="checkbox"/> 1900–	<input type="checkbox"/> communications	<input type="checkbox"/> industry	<input type="checkbox"/> politics/government	<input type="checkbox"/> transportation
		<input type="checkbox"/> invention		<input type="checkbox"/> other (specify)

Specific dates

Builder/Architect

check: Applicable Criteria: ☐ A ☐ B ☐ C ☐ D
and/or

Applicable Exception: ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G

Level of Significance: ☐ national ☐ state ☐ local

Prepare both a summary paragraph of significance and a general statement of history and support.

9. Major Bibliographical References

Survey No. AA-2188

10. Geographical Data

Acreage of nominated property _____

Quadrangle name Annapolis, MDQuadrangle scale 1: 24,000UTM References do NOT complete UTM references

A

Zone	Easting				Northing				

B

Zone	Easting				Northing				

C

--	--	--	--	--	--	--	--	--	--

D

--	--	--	--	--	--	--	--	--	--

E

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F

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G

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H

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Verbal boundary description and justification

List all states and counties for properties overlapping state or county boundaries

state	code	county	code
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state	code	county	code
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11. Form Prepared By

name/title Stuart Paul Dixon/Senior Historianorganization KCI Technologies, Inc.date December 4, 1995street & number 5001 Louise Drive, Suite 201telephone (717) 691-1340city or town Mechanicsburgstate PA 17055

The Maryland Historic Sites Inventory was officially created by an Act of the Maryland Legislature to be found in the Annotated Code of Maryland, Article 41, Section 181 KA, 1974 supplement.

The survey and inventory are being prepared for information and record purposes only and do not constitute any infringement of individual property rights.

return to: Maryland Historical Trust
Shaw House
21 State Circle
Annapolis, Maryland 21401
(301) 269-2438

MARYLAND HISTORICAL TRUST
DHCP/DHCD
100 COMMUNITY PLACE
CROWNSVILLE, MD 21032-2023
514-7900

MD State Historic Sites Inventory Form
Continuation Sheet 7.1

MHT # AA: 2188

Building NA49

Antenna Materials Storage Building

Anne Arundel County

DESCRIPTION

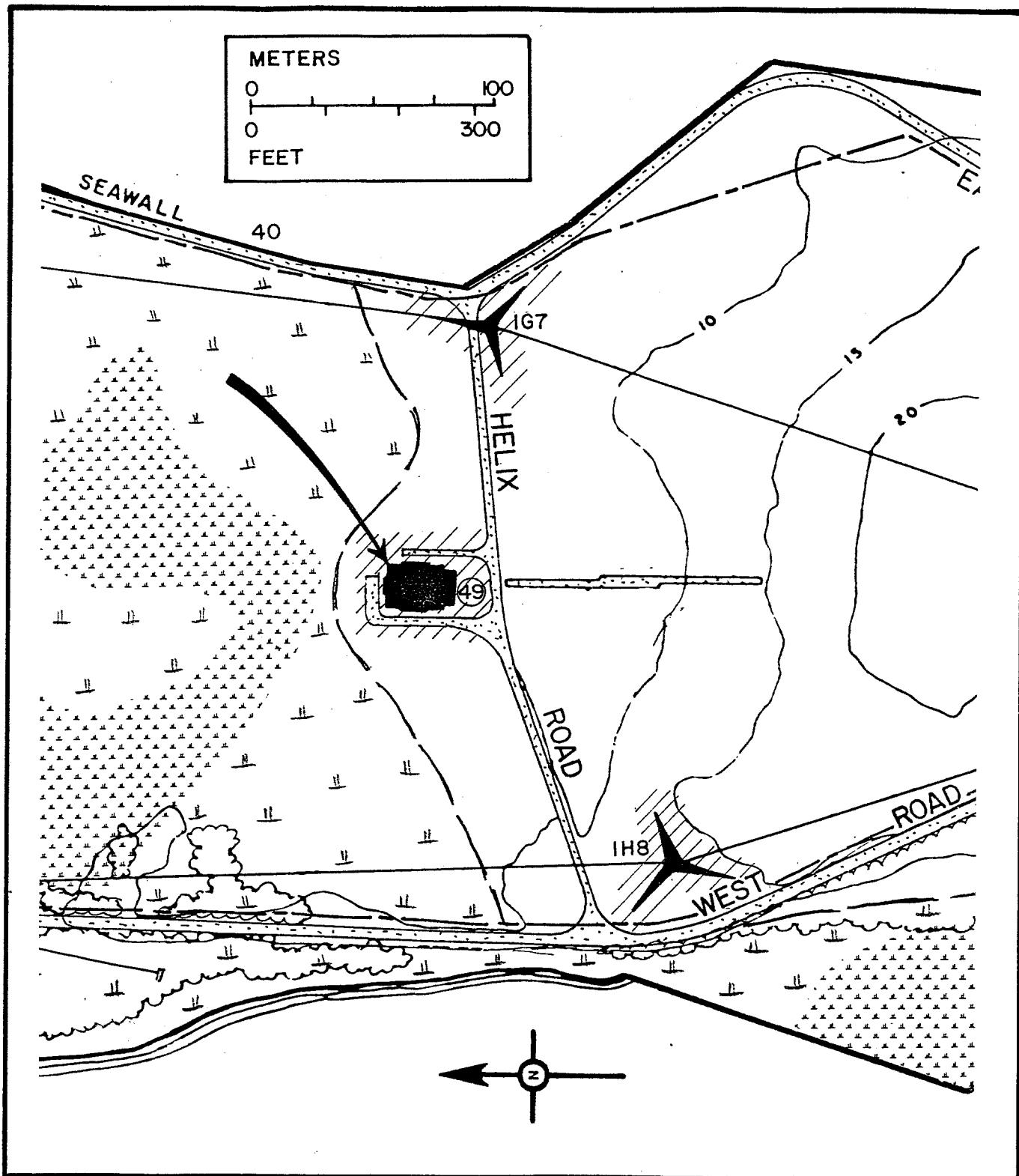
Contributing Resource Count: 1

Building NA49, Antenna Materials Storage, stands amidst marshy fields on the north side of Helix Road midway between East Road and West Road in Anne Arundel County, Maryland. A multi-story brick structure erected in 1938 according to Naval Academy North Severn documents, Building NA49's monumental size appears out of place for its setting. Although now used for material storage, large poured concrete foundations located inside the structure indicate that the building once served other functions.

Built of five-over-one common bond, the structure rises approximately four stories although its interior space remains undivided by floors (Photo 41634-3). A concrete foundation supports the structure. A concrete belt course encircling the entire building may signify the placement of the building's roof line since rain gutters protrude from the belt course on its east elevation. A concrete coping caps the brick walls.

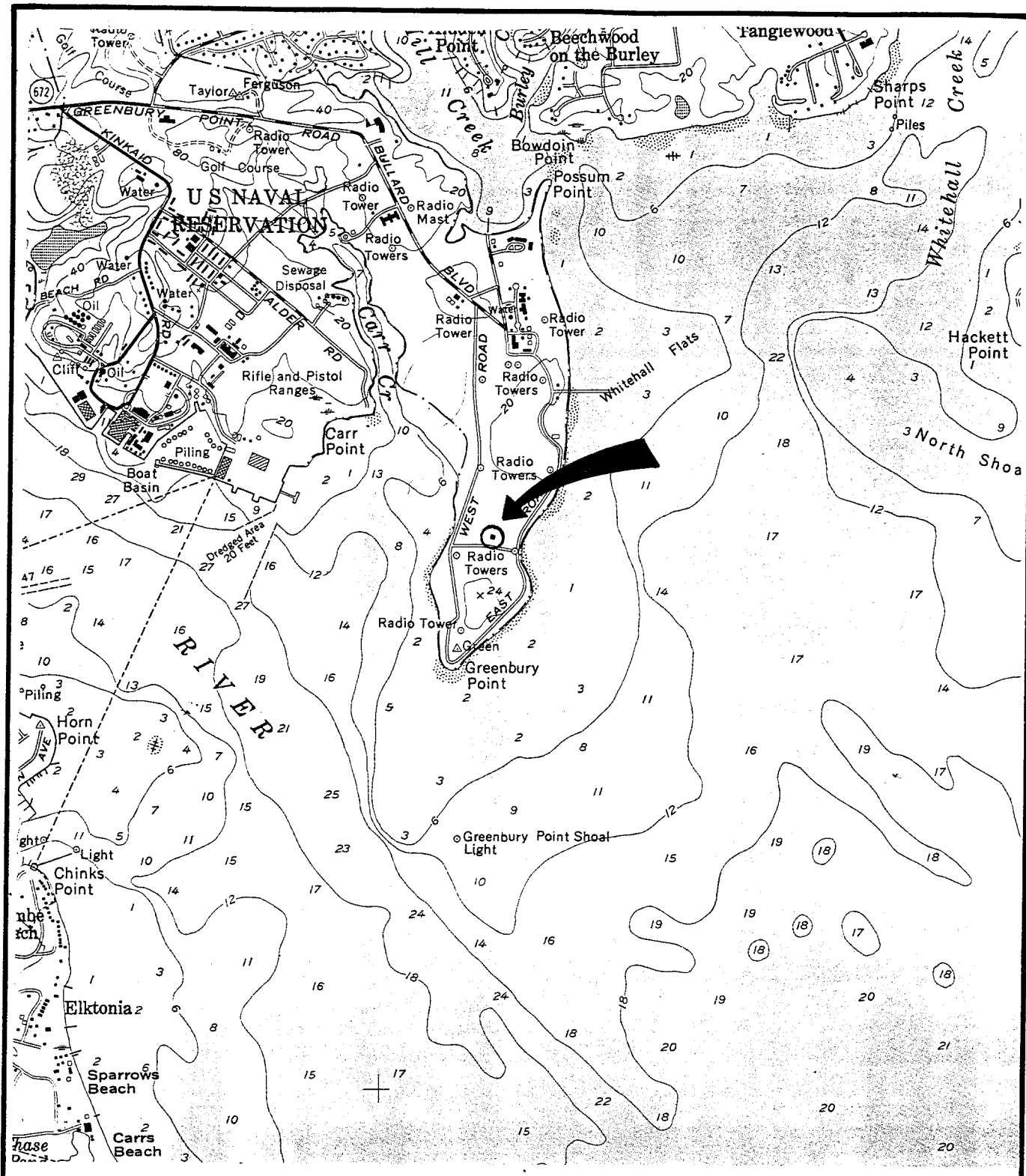
Stepped exterior wall surfaces possibly mark the placement of interior framing. A recessed wall occupying the center of the south elevation probably provided access to electrical lines leading from nearby radio towers. Corrugated metal covers the wall surface of the recess above a decorative terra cotta cornice. Copper sheathing clads the roof of the recess.

A large round-arched doorway in the north elevation provides the only entry into the interior of the building (Photo 41634-2). Large metal hinge pintles set into the concrete surround of the doorway demonstrate that double-leaf doors originally provided access. Small round-arch openings at the base of each stepped wall possess glazing. Three of the small arches penetrate the east and west elevations. Similar arch openings also flank the north elevation's entrance.



-Resource Sketch Map-
North Severn Facility Building NA49
Annapolis, Anne Arundel County

AA-2/88



-Location Map-

Antenna Materials Storage Building (North Severn Facility NA49)
 Annapolis, Anne Arundel County
 USGS 1957 Annapolis, MD

AA-2188



AA-2188

ROLL 41634 FRAME 3

Building NA49

Anne Arundel Co., Maryland

Stuart P. Dixon

11.20.95

Negative at KCI Technologies, Inc.
Mechanicsburg, Pa.

West and South elevations Building NA49

1/2



AA-2188

ROLL 41634 FRAME 2

Building NA49

Anne Arundel Co., Maryland

Stuart P. Dixon

11.20.95

Negative at KCI Technologies, Inc.
Mechanicsburg, Pa.

North elevation doorway Building NA49

2/2